

Amendments to the Specification

Please replace the paragraph located at page 1, lines 2-5, with the following paragraph:

The present invention is related to co-pending U.S. patent application, entitled MEMORY CARD SOCKET USING A DUAL-PORT USB CONNECTOR, serial no. 10/810,113 [_____] (~~2812P~~), filed on even date herewith, and assigned to the assignee of the present invention.

Please replace the paragraph located at page 4, lines 12-19, with the following paragraph:

The confusion of the host/peripheral assignment inherent in a standard USB connection is caused by the one-to-many topology of the USB network and the USB connector pins definitions. However, there is no host/peripheral confusion existing in the USB software driver or in the USB interface electronics that couple the system CPU to the USB port. Figure 3 illustrates the DPUSB connector and cable connection solution 100 in accordance with the present invention coupled to a USB peripheral device 104 and personal computer host device 102. Therefore, an elegant solution to the problem is to create a new USB interface having both a host and a peripheral port in the same connector (Figure 3) which we designate as a dual port USB (DPUSB) connector 100.

Please replace the paragraph located at page 5, line 18-page 6, line 2, with the following paragraph:

If two or more USB devices with DPUSB connectors also have active host and peripheral circuitry and software, then the two devices can communicate together through two channels at the same time. This can be useful using today's multiprocessing, interrupt driven operating systems and their complex applications. This topology of multiple host/peripheral connections creates a pseudo peer-to-peer relationship between the two devices as shown in Figure 4 and Figure 5.

Figure 4 illustrates connecting two devices 200a and 200b with DPUSB connectors 100 and both host and peripheral active ports. Figure 5 illustrates DPUSB connectors 100a-100[c]d creating a USB peer-to-peer network between a personal computer 302, camera 304, personal computer 306a and personal computer 306b.

Please replace the paragraph located at page 6, lines 5-14, with the following paragraph:

Another use of DPUSB connectors is the elimination of multiple types of I/O connections in devices such as cameras. Figure 6 illustrates multiple connections and connectors conventionally required for a camera 304 and a PC 306. For example, consider three devices such as a PC, a digital camera, and a memory card. Since digital cameras require a connection to both a PC and a memory card, they are normally made with two physical I/O ports: namely one for connection to the PC and one for connection to the memory card as in Figure 5. Also, since PCs sometimes require connection to the camera and/or the memory card, the PC may also require both types of connectors. Figure 7 illustrates DPUSB connectors creating new device connections between a memory card 404a and a personal computer and memory card 404 and a camera. If the camera 406 and the memory card 404b are both built with DPUSB connectors, the camera only needs one physical I/O port as seen in Figure 7.

Please replace the paragraph located at page 6, lines 16-19, with the following paragraph:

With suitably designed DPUSB connectors and DPUSB cables, the connections of camera-to-memory card 506; PC-to-memory card 502, PC-to-camera-to-memory card 504 can all be easily done (Figure 8). Figure 8 illustrates DPUSB connectors 100 eliminating multiple types of I/O ports using suitable DPUSB cables.